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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 08-Nov-22

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.232334e-004
a1 = 3.111441e-004
a2 = -4.843539e-006
a3 = 2.105139e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	585459.0	1.0000	0.0000
4.5000	500517.0	4.5000	-0.0000
15.0000	318958.0	15.0000	0.0000
18.5000	276201.0	18.5000	0.0000
24.0000	221618.0	24.0000	0.0000
29.0000	182535.0	28.9999	-0.0001
32.5000	159888.0	32.5001	0.0001

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

